

REMARKS

Claims 1 – 5, 7 – 10, 12 – 14, 17 – 25, 27 – 28, and 30 are pending. Claims 6, 11, 15, 16, 26, and 29 have been cancelled. Claims 1, 3, 4, 7 – 10, 12, 17 – 25, 27 – 28, and 30 have been amended. No new matter has been introduced. Reexamination and reconsideration of the application are respectfully requested.

In the December 21, 2004 Office Action, the Examiner rejected claims 1 – 3, 5 – 8, 10 – 17, 19 – 24, 26 – 27, and 29 - 30 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,714,797 to Rautila (“the Rautila reference”). The Examiner rejected claims 4, 9, 18, 25, and 28 under 35 U.S.C. § 103(a) as being unpatentable over the Rautila reference and further in view of Microsoft Computer Dictionary, 5th Edition (“the Microsoft reference”). These rejections are respectfully traversed in so far as they are applicable to the currently pending claims.

Independent claim 8, as amended, distinguishes over the cited references.

Independent claim 8, as amended, recites:

A method of securing services provided through a hotspot access point, comprising:
establishing a connection between a wireless device and the hotspot access point;
determining user/device identification information associated with the wireless device;
identifying a mode of security from a plurality of security modes for the services using the user/device identification information, the identified mode of security having associated therewith routing identification information; and
providing the services according to the identified mode of security using the routing identification information through the hotspot access point to the wireless device.

The Rautila reference does not teach, suggest, or disclose the method of securing services of claim 8, as amended. The Examiner states that the Rautila

reference discloses determining user/device identification information associated with a wireless device and that a mode of service is identified for the services using the user identification information. The Examiner also states that the identified mode of security has associated with it routing identification information and that the Rautila reference discloses providing the services according to the mode of security using the routing information. (*Office Action, pages 4 and 5.*) The applicants respectfully disagree with the Examiner.

Specifically, the Rautila reference discloses that a mobile station (cellular phone) can receive both LPRF (signals from a hotspot) and cellular phone signals. The Rautila reference does not specifically disclose that the hotspot determines user/device ID information. The location the Examiner points to as disclosing this limitation is Column 5, lines 10 – 21 but this discloses only what is stated above. The Rautila reference also discloses that the local hotspot network locations are presented to a user and that the user can decide to have an electronic product downloaded to the user via a hotspot network location. The Rautila reference also discloses that a unique order number is generated by an electronic shop server and that the unique order number is transmitted to a mobile station. (*Rautila, col. 6, lines 32 – 40*). The Rautila reference discloses the mobile station may transmit the received unique order number received from the shop server via an order entry module to the selected hotspot device. The hotspot network requests a request for confirmation from the user of the mobile device. If the user confirms the request, the hotspot network begins transmission of the digital product via the hotspot device to the mobile device. The hotspot network may also transmit advertisements to be shown on the display of the mobile station. (*Rautila, col. 6, lines*

41 – 67).

This is not the same as a method of securing services provided through a hotspot access point including **identifying a mode of security from a plurality of security modes for the services using the user/device identification information, the identified mode of security having associated therewith routing identification information and providing the services according to the identified mode of security using the routing identification** information through the hotspot access point to the wireless device. There is no disclosure in the Rautila reference that **a mode of security is identified from a plurality of security modes using the user ID information**, as recited in claim 8. As noted above, the Rautila reference does not specifically disclose the determining of the user/device identification. In addition, there is no discussion of any security modes in the Rautila reference. Accordingly, applicants respectfully submit that claim 8, as amended, distinguishes over the Rautila reference.

The Microsoft reference does not make up for deficiencies of the Rautila reference. The Examiner states that the Microsoft Computer dictionary teaches that an IP address identifies a host. (*Office Action, page 12*). The applicants understand the Examiner's use of the Microsoft reference but the Microsoft reference does not disclose a method of securing services provided through a hotspot access point including **identifying a mode of security from a plurality of security modes for the services using the user/device identification information, the identified mode of security having associated therewith routing identification information and providing the services according to the identified mode of security using the routing**

identification information through the hotspot access point to the wireless device, as recited in claim 8, as amended. Accordingly, applicants respectfully submit that claim 8, as amended, distinguishes over the Rautila / Microsoft reference combination.

Independent claim 28, as amended, recites limitations similar to claim 8, as amended. Accordingly, applicants respectfully submit that claim 28, as amended, distinguishes over Rautila / Microsoft reference combination for reasons similar to those discussed above in regard to independent claim 8, as amended.

Claims 9 – 10 and 29 depend, indirectly or directly, on claim 8, as amended. Accordingly, applicants respectfully submit that claims 9 - 10 and 29 distinguish over the Rautila / Microsoft reference combination for the same reasons as those discussed above in regard to claim 8, as amended.

Claim 1 distinguishes over the cited prior art. Claim 1, as amended, recites:

A method of providing location-based services to a wireless device using a hotspot access point, comprising:
establishing a connection between the wireless device and the hotspot access point; and
providing information associated with the physical location of the hotspot access point to the wireless device,
making a hand-off of the wireless device to a second hotspot access point; and
providing narrowed information to the wireless device associated with a physical location of the second hotspot access point based upon the direction of travel of the wireless device.

The Rautila reference does not disclose, teach, or suggest the method of claim 1, as amended. The Examiner states that the Rautila reference discloses the highlighted limitation of claim 1, as amended. The Rautila reference discloses that a user can select from multiple hotspots (e.g., in a shopping mall) that have the same product. The Rautila reference does not disclose **providing narrowed information**

associated with a physical location of the second hotspot access point based on the direction of travel of the wireless device, as recited in claim 1, as amended. In other words, the Rautila reference does not disclose that the information provided to the wireless device is narrowed because the wireless device is traveling away from certain hotspot devices. Accordingly, applicants respectfully submit that claim 1, as amended, distinguishes over the Rautila reference.

The Microsoft reference does not make up for the deficiencies of the Rautila reference. The applicants understand the Examiners use of the Microsoft reference but the Microsoft reference does not disclose a method of providing location-based services to a wireless device using a hotspot access point, including making a hand-off of the wireless device to a second hotspot access point; and **providing narrowed information to the wireless device associated with a physical location of the second hotspot access point based upon the direction of travel of the wireless device**. For example, the narrowed information could be shortening a list of services that are not in the wireless device's direction of travel. Accordingly, applicants respectfully submit that claim 1, as amended, distinguishes over the Microsoft / Rautila reference combination.

Independent claim 22, as amended, recites limitations similar to claim 1, as amended. Accordingly, applicants respectfully submit that claim 22, as amended, distinguishes over the Microsoft / Rautila reference combination for reasons similar to those discussed above in regard to claim 1.

Claims 2 – 5, 7, and 23 – 25 depend, indirectly or directly on claims 1 and 22, both as amended. Accordingly, applicants respectfully submit that claims 2 – 5, 7, and

23 – 25 distinguish over the Rautila / Microsoft reference combination for the same reasons as those discussed above in regard to claim 1.

Claim 12 distinguishes over the cited prior art. Claim 12, as amended, recites:

A method of billing services provided through a hotspot access point, comprising:
establishing a connection between a wireless device and the hotspot access point;
determining user/device identification information associated with the wireless device; and
billing usage of the services through the access point by the wireless device according to a mode of billing of a plurality of billing modes identified by the user/device identification information, **wherein the mode of billing includes business, public, and personal modes, wherein the business mode includes billing a business entity other than an actual user of the wireless device or a service provider associated with the wireless device or the actual user of the wireless device, the public mode includes billing the actual user of the wireless device, and the personal mode includes billing the service provider associated with the wireless device.**

The Rautila reference does not disclose, teach, or suggest the method of billing services of claim 11. The Examiner states that the highlighted limitation is disclosed in col. 6, lines 9 – 13 of the Rautila reference. (*Office Action, page 5*). The Rautila reference specifically discloses that a user can browse content titles on a shop server and may place an electronic purchase order for a selected digital product. Payment arrangements may be made with an electronic shop server. These payment arrangements can be made via a credit card or via billing the user's cellular phone account. (*Rautila, col. 6, lines 5 – 13*).

The Rautila reference does not disclose modes of billings including business, public and personal modes, wherein **the business mode includes billing a business entity other than an actual user of the wireless device or a service provider associated with the wireless device.** The Rautila discloses only billing a credit card

or a user's cellular phone account and neither of these billing methods are billing a **business entity other than the actual user of the wireless device or a service provider associated with the wireless device**, as recited in claim 12. Accordingly, applicants respectfully submit that claim 12, as amended, distinguishes over the Rautila reference.

Independent claim 30, as amended, recites limitations similar to claim 12, as amended. Accordingly, applicants respectfully submit that independent claim 30, as amended, distinguishes over the Rautila reference.

Claim 13 distinguishes over the cited reference. Claim 13 recites:

A method of providing access to an application through a hotspot access point, comprising:
establishing a connection between a wireless device and the hotspot access point;
determining user/device identification information associated with the wireless device; and
synchronizing the wireless device to any one of an e-mail, calendar, task list or contact application associated with the user/device identification information.

The Rautila reference does not disclose the method of providing access to an application through a hotspot access point. The Examiner states that the Rautila reference discloses the highlighted limitation in column 5, lines 28 – 32. (Office Action, pages 5 – 6). The Rautila reference discloses only the selection of and subsequent downloading of digital products from an electronic store server. This is not the same as **synchronizing the wireless device to an e-mail, calendar, task list or contact application**. The Rautila reference never discloses interfacing with any of these applications. Accordingly, applicants respectfully submit that claim 13 distinguishes over the Rautila reference.

The Microsoft reference does not make up for the deficiencies of the Rautila reference. The Examiner utilizes the Microsoft reference to disclose that an IP address identifies a host computer. (*Office Action, page 12*). The applicants understand the Examiner's use of the Microsoft reference but the Microsoft reference does not disclose a method of providing access to an application through a hotspot device including **synchronizing the wireless device to an e-mail, calendar, task list or contact application**. Accordingly, applicants respectfully submit that claim 13 distinguishes over the Microsoft / Rautila reference combination. Claim 14 depends from claim 13. Accordingly, applicants respectfully submit that claim 14 distinguishes over the Rautila / Microsoft reference combination for reasons similar to those discussed above in regard to claim 13.

Claim 17, as amended, distinguishes over the cited references. Claim 17, as amended, recites:

A system of providing location-based services to a wireless device using a hotspot access point, comprising:
the hotspot access point to establish a connection between the wireless device and a hotspot access point network;
location-based services server to provide information associated with the physical location of the hotspot access point to the wireless device; and
a authorization server to provide security for the location-based services according to a mode of security of a plurality of security modes, the mode of security having associated therewith routing identification information.

The Rautila reference does not disclose, teach or suggest the system of claim 17, as amended. The Examiner states that col. 6, lines 33 – 38 and 47 – 53 and col. 8, lines 27 – 34 disclose the highlighted limitation. (*Office Action, page 7*). The applicants respectfully disagree. The Rautila reference discloses only that a store server transmits

unique order number to a hotspot device. There is no disclosure that an authentication server provides security for the location-based services. Also, there is no disclosure that security is provided **according to a mode of security of a plurality of security modes, the mode of security having associated therewith routing identification information**. Accordingly, applicants respectfully submit that claim 17, as amended, distinguishes over the Rautila reference.

The Microsoft reference does not make up for the deficiencies of the Rautila reference. The applicants understand the Examiner's use of the Microsoft reference, but the Microsoft reference does not disclose an authentication server and does not disclose security modes. Accordingly, applicants respectfully submit that claim 17, as amended, distinguishes over the Microsoft / Rautila reference combination.

Claim 18 – 21, depend, indirectly or directly, on claim 17, as amended. Accordingly, applicant respectfully submits that claims 18 – 21, distinguish over the Rautila / Microsoft reference combination for the same reasons as those discussed above in regard to claim 17, as amended.

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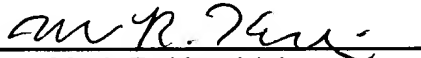
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Applicants believe that the claims are in condition for allowance, and a favorable action is respectfully requested. If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at the Los Angeles telephone number (213) 488-7100 to discuss the steps necessary for placing the application in condition for allowance should the Examiner believe that such a telephone conference would advance prosecution of the application.

Respectfully submitted,

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